

# PDML DLA Form 339 Pilot

End-of-Project Review

# Project Identification

- **Project Name: PDML DLA Form 339 Pilot**
- **Recap DII Funding Total: \$980K**
- **Recap Period of Performance: Feb 00 – Jan 01**
- **ID Project Lead: Navy**
- **ID Participating Services/Agencies (other than lead): DLA, Army, USMC**
- **ID Industry Participants: KPMG PDIT**

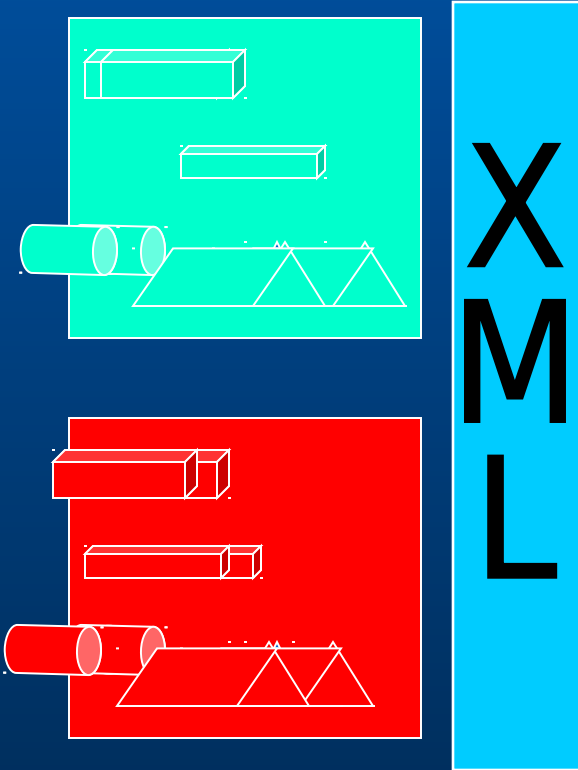
# Project Objectives

- **ID key objective**
  - **Pilot to automate DLA Form 339 (Request for Engineering Support) between DSC-R and NAVICP and TACOM (Warren, MI) and MCLB-Albany**
- **Summarize all project objectives**
  - **Technical/Operational**
    - **Technology demonstration of Web-based, XML derivative tool (PDML) for information interoperability and exchange**
    - **Leverage similar work on-going between DSC-R and OC-ALC**
    - **Leverage existing DLA Form 339 automation efforts: Navy-DLA**

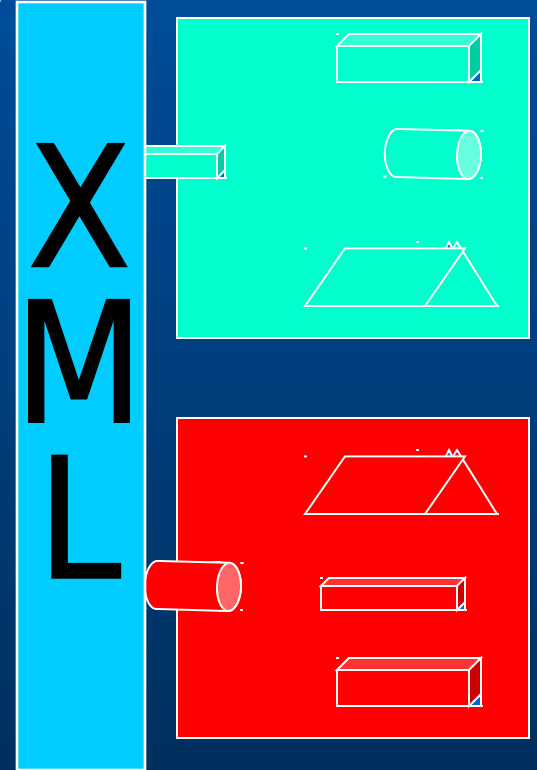
XML is the mechanism that identifies what the data represents, where the data goes and how it is used within applications.

XML allows us to pass data from DLA applications to other Services and from the Services back to DLA, changing the applications.

DLA Formatted 339 Data



Navy Formatted 339 Data



INTERNET

# Summary of Results

- **Objectives were fully met**
- **Automated the processing of Requests for Engineering Support (DLA Form 339)**
  - The DLA Form 339 was transmitted from the senders environment to the receivers dissimilar environment with its context understood
  - The requested engineering support information was exchanged between the intended sites in a reasonable time frame reducing processing times
  - The PDML data exchange caused minimal changes to “inside the fence” DLA Form 339 processes and associated information systems at participating sites
  - Developed Product Data Mark-up Language for re-use

# Summary of Activities

- **Developed Pilot to automate DLA Form 339 (Request for Engineering Support) between DSC-R and NAVICP and TACOM (Warren, MI)**
- **Provided a Technology demonstration of Web-based, XML derivative tool (PDML)**
- **Leveraged similar work on-going between DSC-R and OC-ALC**
- **Leveraged existing DLA Form 339 automation efforts Navy-DLA**
- **Web-based at different levels of participation:**

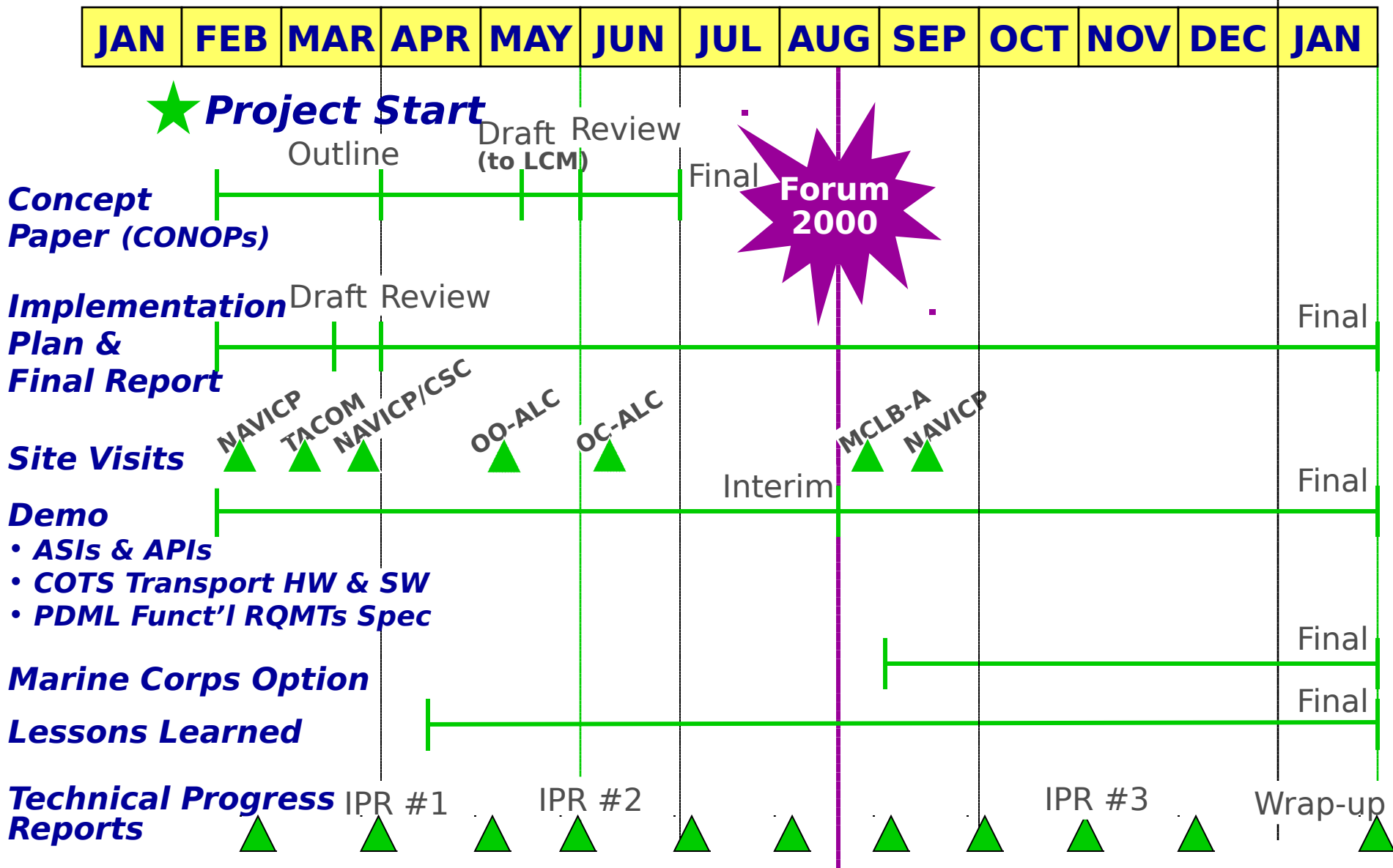
**FOR MORE INFO...** internal workflow

**Web browser**  
**Logistics Community Manager**  
**(703) 767-3426**

# PDML Project Schedule

2000

2001



# Customer Satisfaction

- **Stakeholders:**
  - DLA DSCs and Service ICPs/ESAs processing Form 339
- **Summarize level of stakeholder involvement**
  - Participating sites developed their PDML 339 interface
  - Attended and participated in Reviews
- **Summarize stakeholder reactions to the final results and/or demonstration**
  - Very favorable comments of PDML Form 339 exchange capabilities demonstrated
- **Who benefited most from the results of this project**
  - DLA DSCs and Service ICPs/ESAs processing Form 339
  - Logistics Community as a whole



# Performance

- **Pilot project commitments were met**
- **Were there any significant deviations in schedule from what was planned?**
  - **MCLB-A JCALS Enterprise not available during pilot timing**
- **Remaining issues**
  - **Pursuing alternatives to include MCLB-A in DLA Form 339 automation efforts**

# Lessons Learned

- **Within an open Web environment XML works well**
  - “Loosely coupled” architecture reduces communication issues between dissimilar computing environments
- **Introducing “closed” legacy systems increases the complexity to achieve interoperability**
- **Participants must agree to standards used**
  - Information: W3C & ISO PDML
  - Internet transport mechanisms: Microsoft Biztalk
- **Standing up a common information model or schema is key to achieving interoperability**
  - Interfaces “negotiated” between participants and common schema not between each other

# Lessons Learned

- **Most legacy systems not set up for machine-to-machine communications/processes**
- **Some local DLA Form 339 process changes were required**
- **Participating in selected software development efforts (e.g., Microsoft Biztalk) can be beneficial**

# Project Manager Recommendations

- **Proposed Course of Action**
  - **Need strategy to achieve DoD-level information interoperability**
    - **Repository for common schema, business rules, and infrastructure documents**
  - **Establish execution agent to achieve information interoperability using XML/PDML**
  - **Government/Industry consortium for community management**
- **Recommendations pertaining to related efforts**
  - **Offer PDML pilot lessons learned to DLA ESA Project**
  - **Integrate with DLIS XML and metadata repository & JECMM**
- **Need to act quickly to keep pace with pace of IT**